

Summary of the Q2 LOTAR Online Workshop 23-26 June 2025

The Q2 2025 LOTAR workshop was a virtual event. It was well attended, by around 50 participants. The highlights of the meetings included:

2025 Meeting Dates

- 10-13 March 2025 in Hamburg (NH Hotel Horner Rennbahn) (prostep ivip)
- 23-26 June 2025, Online (PDES, Inc.)
- 16-19 September 2025, Seattle, WA, USA (PDES, Inc.)
- 1-4 December 2025, Online (prostep ivip)

For related dates, also see <https://lotar-international.org/dates-communication/>

General Sessions

- LOTAR Charter update ongoing

WG “LOTAR 3D Mechanical CAD and PMI” (Parts 1xx)

- Surface finish (ISO 21920): preparation for STEP AP242 Ed.5
- Intelligent notes discussion with LOTAR PDM working group
- Review JAMA Requirements
- CAx IF Implementor Group status
- PDES, Inc. Persistent ID project
- PDES, Inc. Integration forum for holes and fasteners

WG “LOTAR Product Lifecycle Management” (Parts 2xx)

- Part 200: review of the document for a new edition
- Part 205: ready for internal ballot
- Part 210: Positive result of the AIA /ASD ballot, publication end of June
- Part 230: ready for internal ballot
- Began review of Part 21 from Basic & Common Process Parts WG
- Discussion with 3D CAD mechanical WG on intelligent notes, including a joint test round between CAx-IF and PDM-IF

WG “LOTAR Composites” (Parts 3xx)

- Composite P300 document content ready for internal ballot
- Reviewed Recommended Practices for composite V4.3
- Extension AP242 ed 4: LLAI (Limited Length Area Indicator)

WG “LOTAR of Electrical Wiring Harness” (Parts 4xx)

- No LOTAR work due to loss of key resources.

WG “LOTAR of Model Based Systems Engineering” (Parts 5xx)

- Addressed ASD-STAN comments (formatting) on Part 500
- Reviewed LOTAR MBSE 5-year roadmap.
- Finalized Statements of Work in the context of Parts 510, 520 and 550.
- Defined CASCaDE – LOTAR MBSE interaction:
 - WP5: CASCaDE verification & validation
 - WP7: MBSE integration forum & CASCaDE- STEP mapping
- Presented and reviewed Long-Term Archiving activities by Schaeffler
- Discussion on the need for Architecture Description Framework (ISO 42010), article in INCOSE in progress, reviewed TRAK INCOSE ADF.

Summary of the CAX-IF meetings

The CAX-IF IG launched its 56th round of testing on Wednesday, 25 June. 20 people participated with 13 organizations being represented. The following topics were covered:

- The Round 56J Test Suite, the scope of which includes:
 - Assembly-level PMI using STEP AP242 XML – New capability
 - Composite Material
 - Kinematic Mechanism – Extended scope
 - Semantic & Graphic PMI at Part level
 - Hole Features
 - Persistent IDs – Extended scope
- STEP File Analyzer updates
- Updates to Recommended Practices
- Various technical topics:
 - Polyhedral B-Reps
 - Saved View contents and orientation
- Updates to the MBx-IF web pages, e.g., publication of STEP Viewer Survey results
- Dates, locations, and preparations for upcoming meetings

The CAX-IF IG met jointly with the User Group. The following topics were discussed:

- User Group Backlog, including new and updated User Stories
- Status of IG work related to UG Backlog
- Holes and Fasteners
- Persistent IDs